Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/14/2019 10:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125438	0	1.66	125517	1.59
Blue	F	SSC	125000	124805	-1	1.55	125607	1.51
Blue	E	FITC	16433	16143	-2	2.74	352	19.64
Blue	D	PE	27595	27374	-1	2.04	596	14.23
Blue	B	PerCP-Cy5-5	43183	42942	-1	3.72	1155	19.52
Blue	A	PE-Cy7	31943	31860	-1	6.11	610	39.90
Red	C	APC	42819	42740	-1	2.39	1511	12.07
Red	A	APC-Cy7	31261	30509	-3	2.22	809	11.83
Violet	B	V450	6527	6300	-4	4.69	352	13.48
Violet	A	V500	24533	23562	-4	4.51	549	10.59

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17955	8.52	609	9	N/A	N/A	Pass
Blue	F	SSC	56775	1.15	552	4	N/A	N/A	Pass
Blue	E	FITC	64	62.06	539	0	0.0208	113	Pass
Blue	D	PE	125	48.23	536	2	0.1798	282	Pass
Blue	B	PerCP-Cy5-5	212	48.37	646	4	0.0100	74	Pass
Blue	A	PE-Cy7	114	97.54	694	5	0.0114	13	Pass
Red	C	APC	358	25.70	582	-1	0.0249	199	Pass
Red	A	APC-Cy7	179	28.66	561	-2	0.0057	1079	Pass
Violet	B	V450	54	61.54	448	-7	0.0541	2448	Pass
Violet	A	V500	82	33.36	459	-8	0.0236	763	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.05	-31.79	1.03
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	15.60	13.60 - 20.40	N/A	N/A	29.53	29.83	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 11079

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments